

# PATENT SPECIFICATION

291,267.

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## COMPLETE SPECIFICATION.

### Improvements in Workmen's Saddle Belts.



I, CARL GEORGE THURNAU, a citizen of the United States of America, of the Village of New Hartford, County of Oneida, State of New York, United States of America, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

My present invention relates to workmen's saddle belts, meaning thereby saddle and belt-like device whereby workmen are suspended at the end of a rope.

I am aware that safety belts have hitherto been suggested for use in all kinds of dangerous occupations comprising adjustable leg straps, shoulder straps and a waist strap all secured to a central ring to which one end of a chain for use in case of accident is connected, the other end being secured to some fixed object.

The purpose of my invention is to provide a new and improved saddle belt and one which is capable of being safely and conveniently used by many classes of workmen.

Heretofore workmen have been suspended in dangerous places by being simply seated upon a board or chair seat attached to the supporting rope. Such devices were unsafe as they required the man to keep fairly balanced in the swing or chair seat and required the constant use of one hand to keep him from sliding or falling from the seat. Such devices furthermore were very inefficient as far as the amount of work that could be done by workmen was concerned in that the man had to hang on to the supporting rope with one hand and so had only one hand to work with. The attempt to use even temporarily the second hand in the real work might readily result in injury or fatal accident to the workman.

The purpose of my invention is to provide a saddle belt which entirely obviates the dangers above mentioned and enables the workman to have the free and unrestrained use of both hands and furthermore even allows him to fairly use his body in the work or to lean backward or to either side without possibility of danger.

A further purpose of my invention is to

provide a saddle belt which normally supports the person in a sitting position comfortably and without strain, but which saddle belt is of such construction that the workman may safely and comfortably lean back or to either side as he wishes.

A further purpose is to provide a device of the character described which can be very readily and safely attached to the body or removed therefrom.

With these ends in view the present invention consists in a saddle belt which comprises a rigid ring for the attachment of a supporting rope, a waist belt detachably secured to said ring, and two leg straps each adapted to separately pass below and support one leg between the crotch and the knee, each of said straps having an end swingingly secured to said ring and its other end detachably secured to said ring.

In the accompanying drawings:—

Fig. 1 is a front elevation of a saddle belt embodying my invention.

Fig. 2 is a perspective view of said device as seen from the rear and looking somewhat down upon the device.

Referring to the drawings in a more particular description it will be seen that the device comprises a main supporting ring 5, a waist belt 6 and a pair of leg-supporting straps 7.

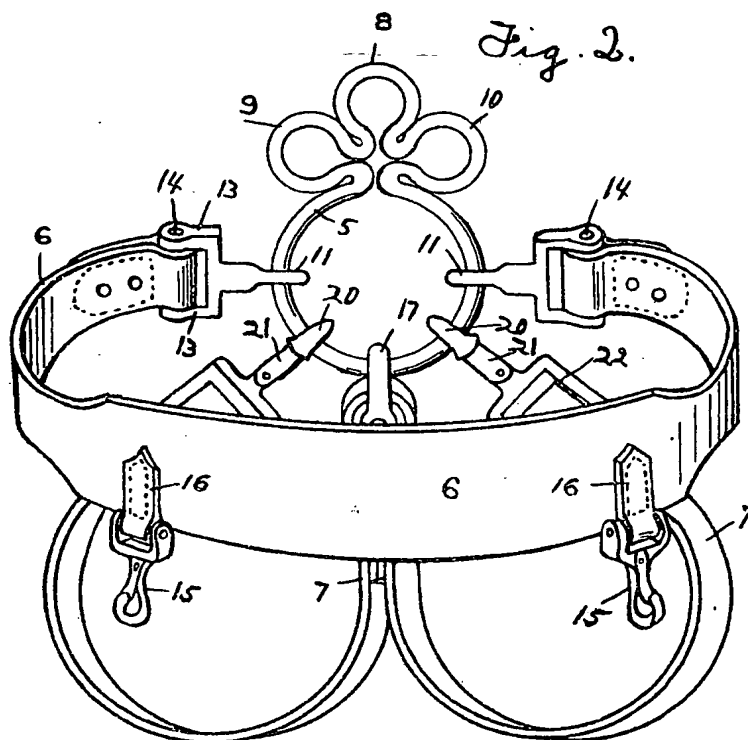
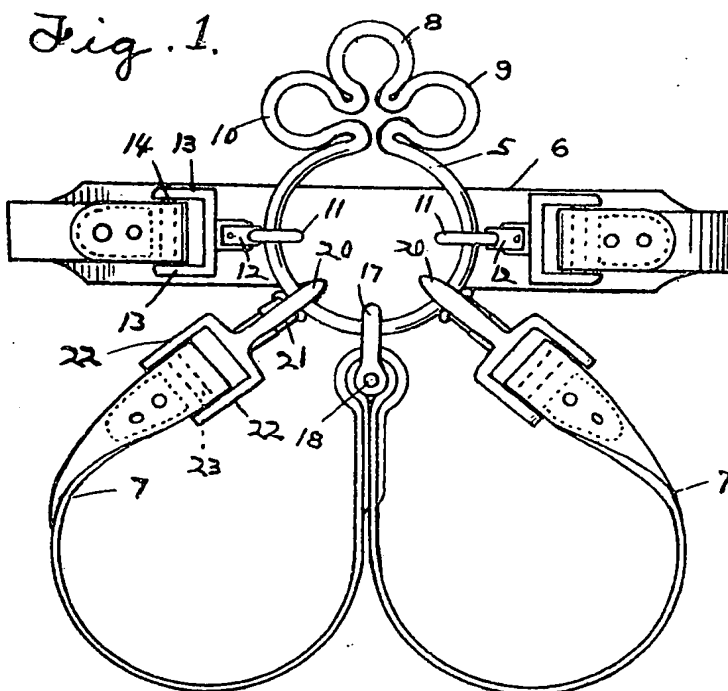
The main supporting ring 5 is preferably formed as indicated in the drawing with three upwardly projecting separate eyes namely eye 8 at the centre and eye 9 at the right and eye 10 at the left as the ring is seen from the front in Fig. 1. It will be understood that the ring and its three eyes are conveniently made from a single piece of strong iron providing a very rigid ring and a group of supporting eyes. One or more of the eyes may be attached to the hook of the block through which the suspending rope or cable passes or the rope may be fastened direct to one or more of the eyes. The plurality of eyes is a convenient arrangement when as often happens the workman is suspended from the lower end of two ropes which are separately adjusted as when a painter is working upon a diagonally arranged brace of a bridge or gas tank. The extra

3. A workman's saddle belt as claimed in Claim 2, wherein the rigid ring is provided with a plurality of upwardly projecting eyes thereon, one of said eyes being located laterally of another eye.
- 5 4. A workman's saddle belt as claimed in any of the preceding claims, wherein the waist belt at its opposite ends is detachably secured to the rigid ring.
5. A workman's saddle belt, constructed and arranged substantially as hereinbefore described with reference to the accompanying drawings. 10

Dated this 29th day of August, 1927.

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[This Drawing is a reproduction of the Original on a reduced scale.]



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